

Mathematics

Number and Algebra

Number Comparisons



Aim

- I can compare numbers to at least 1 000 000.

Success Criteria

- I can determine the value of each digit in a number.
- I can use a place value grid to compare numbers.
- I can use the greater than and less than symbols.



Numbers in Words



Which number is ten less than ten thousand?

Give your answer in words and digits.

Nine thousand and ninety, or 9090.



Numbers in Words



What is one hundred more than one hundred thousand?

Give your answer in words and digits.

One hundred thousand one hundred, or 100 100.



Numbers in Words



How much less than one million is nine hundred and ninety thousand and one hundred?

Give your answer in words and digits.

Nine thousand nine hundred, or 9900.



Numbers in Words



Which number is fifty thousand less than five hundred thousand?

Give your answer in words and digits.

Four hundred and fifty thousand, or 450 000.



Numbers in Words



What is twenty thousand more than one thousand?

Give your answer in words and digits.

Twenty-one thousand, or 21 000.



Greater Than and Less Than

When we compare numbers we make decisions about which number in a set is bigger or smaller based on the value of their digits.

We can use the greater than and less than symbols to show how we have compared two or more numbers. We can also use the equals symbol to show when two numbers are the same.

Can you recall what the greater than and less than symbols look like?

>

Greater than

$$25 > 16$$

<

Less than

$$16 < 25$$

=

Equal to

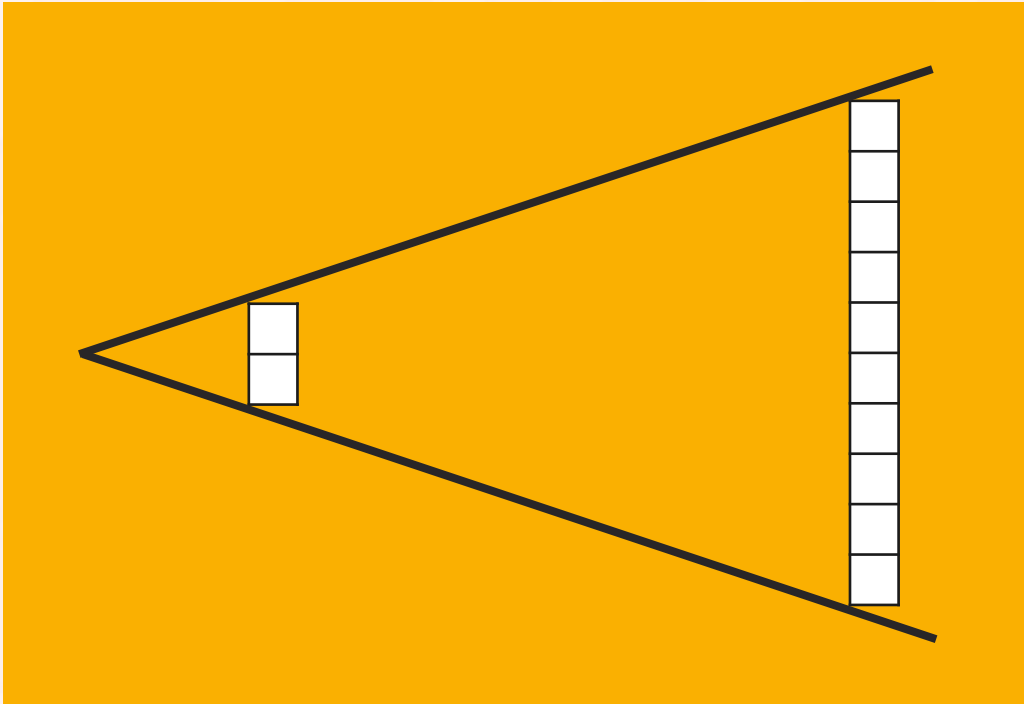
$$25 = 25$$

$$16 = 16$$



Greater Than and Less Than

The wide side of the symbol always opens toward the biggest number.
This image can help you to understand why:



$$2 < 10$$

2 is less than 10



Popcorn Comparisons



Work in groups of 3 to practise using the greater than and less than symbols.

In your popcorn box you have different types of popcorn. Yellow popcorn contains the symbols, white popcorn contains the numbers.

Each member of the group should take a piece of popcorn – there should be 1 yellow and 2 white pieces between you.



Popcorn Comparisons



Organise your numbers and your symbol to make a true number sentence.

Then take 3 more pieces of popcorn and have another go!

How many true number sentences can you create using your popcorn?



$$54\ 632 > 54\ 263$$

The Great Number Hunt



Take part in the Great Number Hunt! Look around your school to find the different numbers written on cards. There are 3 numbers on each card - I will tell you whether you should look for the green numbers, yellow numbers or red numbers.

Then use the numbers you have found to complete your **Great Number Hunt Activity Sheet**.

Fill in the number comparisons with the numbers you find. Make sure the number comparisons are all true!

Great Number Hunt

I can compare numbers to at least 1 000 000.

Use the numbers you find on your number hunt to complete these number sentences.

462 723 > _____
_____ < 143 732
_____ < 5 844 113 < 5 845 131
123 244 < _____
645 476 > _____ > 465 429
1 394 734 > _____
3 986 124 < _____ < 3 991 458
_____ > 3 685 200 - 3 300 000
3 100 450 < _____ - 350 100
2 195 600 - _____ = 990 990 + 15 500



Symbol Selection



Select the correct symbol from the choices below for each statement.

34 921

>

34 129



Symbol Selection



Select the correct symbol from the choices below for each statement.

99 999

<

111 111



Symbol Selection



Select the correct symbol from the choices below for each statement.

$$74\ 000 + 3500$$

>

$$79\ 000 - 3500$$



Symbol Selection



Select the correct symbol from the choices below for each statement.

828 500

=

830 000 - 1500



Symbol Selection



Select the correct symbol from the choices below for each statement.

1 345 600 - 40 000

>

955 200 + 350 000



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